



Insights:

Emerging Trends for Clinical Leadership

July 2020

TRC HEALTHCARE – MONTHLY EXECUTIVE BRIEF

IN THIS ISSUE

Practice- Changing Pharmacy Updates

Dexamethasone and COVID-19

Pain Point: A recent study from the U.K. has raised a lot of questions about whether dexamethasone is a “breakthrough” in treating COVID-19. This contradicts early guidance to avoid steroids for COVID-19 due to a lack of benefit and possible harm seen in SARS.

Solution: This month's [Hospital Pharmacist's Letter article-in progress](#) breaks down the caveats of the study, and includes guidance for which patients should receive steroids, recommended dosing, and potential adverse effects.

Coming up in August, don't miss our Hot Topic webinar on the “Role of Corticosteroids in COVID-19,” where our panel of clinician experts will break down this study in detail and discuss additional guidance and recommendations (see page 3 for more info).



COVID-19 Tests and Results Interpretation

Pain Point: Now that pharmacists in every state are authorized to order and administer COVID-19 tests, questions will come up about diagnostic and antibody tests for SARS-CoV-2 as testing continues to ramp up.

Solution: [Pharmacist's Letter provides guidance](#) for both viral and antibody testing, including recommendations for interpreting results of each.

Also included is a link to the popular “[COVID-19 Testing FAQs](#)” chart, which provides a deeper dive into interpreting results, patient follow-up, and home tests.

TRC is committed to supporting clinical teams during the pandemic. All of our existing and emerging COVID-19-related clinical resources and articles are available in our [COVID-19 Resource Hub](#) (complimentary access, no subscription required).

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News You Need to Know

Insights delivers the latest in emerging trends for clinical leadership straight to your inbox. Included in each monthly edition, you'll receive industry-relevant updates, timely new facts, and advice to help you and your pharmacy teams leverage the most from your TRC Healthcare subscriptions. You'll also see the latest CE courses added to our course catalog, as well as important national and state requirements to keep you and your staff in compliance.

Contact us anytime for more information. Visit trchealthcare.com, or [email us](#).



Vitamin and Mineral Deficiencies and COVID-19

Pain Point: Vitamin and mineral deficiencies have been hot topics in the news since the beginning of the pandemic. From selenium to vitamin D, patients may have questions about if certain deficiencies can cause serious complications with COVID-19.

Solution: This month, *Natural Medicines* delivers advice to answer patient questions about vitamin deficiencies in light of COVID-19. It also provides guidance for dosing recommendations for vitamin D and selenium supplements.

[Read the full article now.](#)

Product Spotlight

PTU Elite: CSPT® Prep Program

Set your pharmacy technicians up for success on the PTCB sterile compounding exam.

The new *PTU Elite: CSPT® Prep Program* prepares pharmacy technicians for success on the Pharmacy Technician Certification Board (PTCB) Certified Compounded Sterile Preparation (CSPT) exam.

Available for purchase as a stand-alone offering, the *PTU Elite: CSPT Prep Program* provides technicians with dedicated sterile compounding training in a convenient, easy-to-use online solution. The comprehensive curriculum is aligned with PTCB's high standards for CSPT certification and includes courses that address USP <797> and USP <800> requirements.

The 59-hour *PTU Elite: CSPT Prep Program* is the perfect complement to *Pharmacy Technicians University*, a best-in-class online education and training program for pharmacy technicians.

Program benefits include:

- **Shorter prep time:** Trainees who complete the prep program can sit for the CSPT exam with just one year of experience in compounded sterile preparation (versus the standard 3-year requirement).
- **High-quality and comprehensive:** Curriculum is aligned with PTCB's high standards, including compliance requirements for USP <797> and <800>.
- **Top pass rates:** *PTU* grads boast a 77% pass rate on the PTCE® exam — 20% higher than the national average.

Learn more about this and other *PTU Elite* offerings [here](#).

NEW IN THE COVID-19 RESOURCE HUB

Our editors continue to add new articles and clinical resources to the COVID-19 Resource Hub. Access to the hub is free – no subscription required. Recent additions include:

- [Safe Use of Double-Strength Propofol](#)
- [COVID-19 and Pharmacotherapy](#)
- [Steroids and COVID-19](#)
- [Help Navigate COVID-19 Misinformation](#)
- [Inpatient COVID-19 Treatments](#)
- [Vaccinations During COVID-19](#)
- [Interpreting COVID-19 Tests](#)
- [Vitamin Deficiencies and Recommendations for COVID-19](#)

Upcoming Articles Preview

Here's what's coming up in August issues of the *Letters*:

Pharmacist's Letter + Hospital Pharmacist's Letter + Prescriber's Letter: Optimizing flu vaccines in 2020; the role of dexamethasone in treating COVID-19; VTE prophylaxis in COVID-19 patients

Pharmacy Technician's Letter: Adapting to change and new processes; medical abbreviations; new insulins

Hospital Pharmacy Technician's Letter: Temporary packaging changes for neuromuscular blockers; snags with patient's own meds; adopting a just culture

Sign up for Free Clinical Resources

Click the button below to join our mailing list to receive invitations to free clinical webinars and complimentary resources in your area of interest.

JOIN OUR
EMAIL LIST!



News & Events

Upcoming Webinars

Hot Topic Webcast: "Role of Corticosteroids in COVID-19." Aug. 20th, 12 PM Eastern

CriticalPoint Webinar: "Overcoming Challenges Related to the Incubation of Media."

This webinar will discuss the 2019 incubation requirements for different types of media, identify incubation challenges, and provide actionable solutions

Aug. 12th, 1 PM Eastern

[Register here.](#)

Emerging Recommendations Panel August 2020: Aug 18th, 8 PM Eastern

Featuring a **special guest from Dr. Anthony Fauci's NIAID/NIH team:**

Andrea Lerner, MD, MS - Medical Officer, Office of the Director at the NIH, NIAID - will spend an hour with our panel of experts to discuss a variety of COVID-19-related topics, including medications, vaccines, and mask comfort.

Click on "Live CE Calendar" on the "CE & Training" tab in your *Letter* product to register for this can't-miss live CE event.



Continuing Education

TRC's accredited learning center for medication management offers **continuing education in 13 categories**, including:

- Disease State Management / Drug Therapy
- HIV / AIDS
- Law
- General Pharmacy
- Patient Safety / Medication Errors
- Archived Webinars
- Competency
- Compliance
- Hospital / Specialty
- Preceptor
- Training
- Immunization
- Compounding

Stay on top of certification, license, and continuing education renewal periods and associated hours required for your state. Make note of the states below that have renewal periods in the current/coming months, as well as ongoing state and national requirements. View details for each state, as well as a list of associated continuing education courses available to meet requirements [here](#).

July	Ongoing	National
None	California Maryland New Mexico	PTCB NHA
August	New York Tennessee Texas Washington	
None		



New Continuing Education Courses

COURSE TITLE	PRODUCT CODE	CREDIT TYPE	CREDIT HRS	COUNTRY	RELEASE DATE	CATEGORIES	COURSE DESCRIPTION	STATE REQUIREMENTS MET
Prescriber's Letter CME-in-the-Letter: July 2020	20-1007	MD, DO, PA, NP, RN	1.00	US & CAN	6/30/20	Disease State Management/ Drug Therapy	Especially for physician, nursing, and physician assistant prescribers . Timely, evidence-based recommendations you can use in your practice to improve patient outcomes.	Pharmacotherapy CE; General CME
Pharmacist's Letter CE-in-the-Letter: July 2020 (JA0006454-0000-20-707-H01-P)	20-707	RPh	1.00	US	6/30/20	Disease State Management/ Drug Therapy	Especially for pharmacists . Relevant, evidence-based recommendations you can use in your pharmacy setting to help improve patient care.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Pharmacy Technician's Letter CE-in-the-Letter: July 2020 (JA0006454-0000-20-807-H01-T)	20-807	Tech	1.00	US	6/30/20	Disease State Management/ Drug Therapy	Especially for pharmacy technicians . Relevant, evidence-based recommendations you can use in your pharmacy setting to help improve patient care.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Pharmacist's Letter Canada CE-in-the-Letter: July 2020 (JA0006454-0000-20-747-H01-P)	20-747	RPh	1.00	CAN	7/2/20	Disease State Management/ Drug Therapy	Especially for pharmacists . Relevant, evidence-based recommendations you can use in your pharmacy setting to help improve patient care.	General CE
Pharmacy Technician's Letter Canada CE-in-the-Letter: July 2020 (JA0006454-0000-20-847-H01-T)	20-847	Tech	1.00	CAN	7/2/20	Disease State Management/ Drug Therapy	Especially for pharmacy technicians . Relevant, evidence-based recommendations you can use in your pharmacy setting to help improve patient care.	General CE
Hospital Pharmacist's Letter CE-in-the-Letter: July 2020 (JA0006454-0000-20-727-H01-P)	20-727	RPh	1.00	US	7/7/20	Disease State Management/ Drug Therapy	Especially for pharmacists . Relevant, evidence-based recommendations you can use in your pharmacy setting to help improve patient care.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Hospital Pharmacy Technician's Letter CE-in-the-Letter: July 2020 (JA0006454-0000-20-827-H01-T)	20-827	Tech	1.00	US	7/7/20	Disease State Management/ Drug Therapy	Especially for pharmacy technicians . Relevant, evidence-based recommendations you can use in your pharmacy setting to help improve patient care.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Erectile Dysfunction Causes and Treatment (JA0006454-0000-20-216-H01-P)	20-216	RPh	1.00	US & CAN	7/1/20	Disease State Management/ Drug Therapy	This course provides an overview of the causes and treatment options for erectile dysfunction.	Iowa - Drug Therapy; Missouri - MTM; Utah - Drug Therapy; All others - General CE
Chronic Wound Care (JA0006454-0000-20-218-H04-P)	20-218	RPh	1.00	US & CAN	7/1/20	General	This course discusses the stages of wound healing, different treatments and therapies to help wound healing (including dressings,	General CE

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							debridement, antimicrobials, etc.). It also discusses the prevention and treatment of pressure ulcers, venous ulcers, and diabetic foot ulcers.	
Psoriasis Overview (JA0006454-0000-20-220-H01-P)	20-220	RPh	1.00	US & CAN	7/1/20	Disease State Management/ Drug Therapy	This course provides an overview of psoriasis and the available treatment options.	Iowa - Drug Therapy; Missouri - MTM; Utah - Drug Therapy; All others - General CE
OTC Medications During Pregnancy and Lactation (JA0006454-0000-20-221-H01-P)	20-221	RPh	1.00	US & CAN	7/1/20	Disease State Management/ Drug Therapy	This course provides pharmacists with recommendations on how to safely use common over-the-counter medications during pregnancy and lactation.	Iowa - Drug Therapy; Missouri - MTM; Utah - Drug Therapy; All others - General CE
Hepatitis C Review (JA0006454-0000-20-222-H01-P)	20-222	RPh	1.00	US & CAN	7/1/20	Disease State Management/ Drug Therapy	This course reviews hepatitis C, the direct-acting antivirals used to treat it, and the pharmacist's role in helping patients manage their condition.	Iowa - Drug Therapy; Missouri - MTM; Utah - Drug Therapy; All others - General CE
Managing Sterile Compounding (JA0006454-0000-20-229-H07-P)	20-229	RPh	1.00	US & CAN	7/1/20	Compounding	This course discusses strategies to optimize sterile compounding, including establishing policies and procedures, calculations, patient counseling, and patient adherence.	Compounding; Sterile Compounding; Mass Compounding
Rapid Diagnostic Testing in the Community Pharmacy (JA0006454-0000-20-315-H04-P) (JA0006454-0000-20-315-H04-T)	20-315	RPh, Tech	1.00	US & CAN	6/1/20	General	A review of point-of-care rapid diagnostic tests that can be performed in the pharmacy setting. Tests covered in detail include those that detect influenza, strep, hepatitis C, and HIV.	General CE
Complex Nonsterile Compounding of Topical Dosage Forms (per official 2014 USP <795>) (JA0006454-0000-20-322-H07-P) (JA0006454-0000-20-322-H07-T)	20-322	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course discusses proper complex non-sterile compounding of various topical dosage forms including dry powders, sticks, creams, and gels (includes information based on the official 2014 USP <795> standard).	Compounding; Complex Nonsterile Compounding; Mass Compounding
Complex Nonsterile Compounding of Oral Dosage Forms (per official 2014 USP <795>) (JA0006454-0000-20-323-H07-P)	20-323	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course reviews complex nonsterile compounding of various oral dosage forms including capsules, solutions, suspension, lollipops, and troches (includes information based on the official 2014 USP <795> standard).	Compounding; Complex Nonsterile Compounding; Mass Compounding

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(JA0006454-0000-20-323-H07-T)								
Nonsterile Compounding of Common Topical and Oral Liquid Preparations (per official 2014 USP <795>) (JA0006454-0000-20-324-H07-P) (JA0006454-0000-20-324-H07-T)	20-324	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	All pharmacists and technicians should be prepared to perform nonsterile compounding, even if your pharmacy doesn't often fill these requests. Topical preparations, such as Butt Paste for babies, and oral liquid compounds, such as magic mouthwash or pediatric suspensions, are some of the more commonly requested nonsterile preparations. This course includes information based on the official 2014 USP <795> standard.	Compounding; Complex Nonsterile Compounding; Mass Compounding
Corrective Action & Preventative Action (CAPA) Plans for Sterile Compounding (JA0006454-0000-20-325-H07-P) (JA0006454-0000-20-325-H07-T)	20-325	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course discusses issues regarding quality assurance of sterile compounded preparations. It includes information on quality assurance programs, standard operating procedures, and corrective action/preventative action plans for sterile compounding.	Compounding; Sterile Compounding; Mass Compounding
Sterile Compounding and USP <797> (official 2008 version) (JA0006454-0000-20-326-H07-P) (JA0006454-0000-20-326-H07-T)	20-326	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course reviews sterile compounding guidelines USP <797> and is based on the official 2008 standard.	Compounding; Sterile Compounding; Mass Compounding
Aseptic Technique for Sterile Compounding (per official 2008 USP <797>) (JA0006454-0000-20-327-H07-P) (JA0006454-0000-20-327-H07-T)	20-327	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course focuses on the basics of sterile compounding and aseptic technique. It provides a general overview of environmental and equipment considerations in sterile compounding, as well as information on sterile preparation risk levels, beyond-use dating, and aseptic techniques. This course includes information based on the official 2008 USP <797> standard.	Compounding; Sterile Compounding; Mass Compounding
Sterile Compounding Quality Standards and Requirements (per official 2008 USP <797>)	20-328	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course discusses sterile compounding and outlines standards for facility design, storage requirements, and continuous quality improvement for locations where compounded sterile	Compounding; Sterile Compounding; Mass Compounding

COURSE TITLE	PRODUCT CODE	CREDIT TYPE	CREDIT HRS	COUNTRY	RELEASE DATE	CATEGORIES	COURSE DESCRIPTION	STATE REQUIREMENTS MET
(JA0006454-0000-20-328-H07-P) (JA0006454-0000-20-328-H07-T)							products are made. This course includes information based on the official 2008 USP <797> standard.	
Complex Nonsterile Compounding of Topical Dosage Forms (per 2019 USP <795> in review) (JA0006454-0000-20-330-H07-P) (JA0006454-0000-20-330-H07-T)	20-330	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course discusses the complex nonsterile compounding of various topical dosage forms including dry powders, sticks, creams, and gels. This course includes information based on the 2019 USP <795> standard currently under review following an appeal process.	Compounding; Complex Nonsterile Compounding; Mass Compounding
Complex Nonsterile Compounding of Oral Dosage Forms (per 2019 USP <795> in review) (JA0006454-0000-20-331-H07-P) (JA0006454-0000-20-331-H07-T)	20-331	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course reviews complex nonsterile compounding of various oral dosage forms including capsules, solutions, suspensions, lollipops, and troches. This course includes information based on the 2019 USP <795> standard currently under review following an appeal process.	Compounding; Complex Nonsterile Compounding; Mass Compounding
Nonsterile Compounding of Common Topical and Oral Liquid Preparations (per 2019 USP <795> in review) (JA0006454-0000-20-332-H07-P) (JA0006454-0000-20-332-H07-T)	20-332	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	Nonsterile compounding skills are needed, even if your pharmacy doesn't routinely fill these prescriptions. Commonly requested nonsterile compounds include topical preparations, such as butt paste for babies, and oral liquid compounds, such as magic mouthwash and pediatric suspensions. This course includes information based on the 2019 USP <795> standard currently under review following an appeal process	Compounding; Complex Nonsterile Compounding; Mass Compounding
Sterile Compounding and USP <797> (in review 2019) (JA0006454-0000-20-333-H07-P) (JA0006454-0000-20-333-H07-T)	20-333	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course reviews sterile compounding guidelines from the 2019 USP General Chapter <797> which is currently under review following an appeal process.	Compounding; Sterile Compounding; Mass Compounding
Aseptic Technique for Sterile Compounding (per 2019 USP 797 in review) (JA0006454-0000-20-334-H07-P) (JA0006454-0000-20-334-H07-T)	20-334	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course focuses on the basics of sterile compounding and aseptic technique. It provides a general overview of environmental and equipment considerations in sterile compounding, as well as information on categories of sterile preparations and beyond-use dating. This	Compounding; Sterile Compounding; Mass Compounding

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							course includes information based on the 2019 USP <797> standard currently under review following an appeal process.	
Sterile Compounding Quality Standards and Requirements (per 2019 USP 797 in review) (JA0006454-0000-20-335-H07-P) (JA0006454-0000-20-335-H07-T)	20-335	RPh, Tech	1.00	US & CAN	7/1/20	Compounding	This course reviews sterile compounding and outlines standards for facility design, storage requirements, and continuous quality improvement for locations where compounded sterile products are made. This course includes information based on the 2019 USP <797> standard currently under review following an appeal process.	Compounding; Sterile Compounding; Mass Compounding
Calculations for Pharmacy Technicians, Part 1 (JA0006454-0000-20-405-H04-T)	20-405	Tech	1.00	US & CAN	7/1/20	General	This course discusses systems of measurements used in the pharmacy and how to convert between them, pharmacy calculations including fractions and decimals, and how to perform calculations in order to safely dispense medications.	General CE
HIV Treatment Options (JA0006454-0000-20-406-H02-T)	20-406	Tech	1.00	US	7/1/20	HIV/AIDS	This course provides pharmacy technicians with a review of HIV drug therapy including an overview of the various drug classes, dispensing considerations, the importance of adherence, side effects, drug interactions, and more.	HIV/AIDS; All others - General CE
HIV Prevention and Management for Technicians (JA0006454-0000-20-407-H02-T)	20-407	Tech	1.00	US	7/1/20	HIV/AIDS	This course provides pharmacy technicians with an overview of how HIV is transmitted, ways to prevent HIV transmission, AIDS progression and AIDS-related conditions, an overview of treatment with antiretroviral therapy, and a discussion of ethical and legal issues.	HIV/AIDS; All others - General CE
Pharmacy Essential Updates: May 2020 (JA0006454-0000-20-505-L01-P) (JA0006454-0000-20-505-L01-T)	20-505	RPh, Tech	1.00	US & CAN	7/28/20	Live CE; Disease State Management/ Drug Therapy	Learn from this in-depth review and discussion of the month's leading article topics and learn how to incorporate recommendations from the issue into your daily practice. This webinar is appropriate for Pharmacists and Technicians and is accredited by ACPE. This is a subscriber-only activity. Each monthly episode of the series is archived after the live viewing	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE

COURSE TITLE	PRODUCT CODE	CREDIT TYPE	CREDIT HRS	COUNTRY	RELEASE DATE	CATEGORIES	COURSE DESCRIPTION	STATE REQUIREMENTS MET
							and is then available on-demand.	
Pharmacy Essential Updates June 2020 (JA0006454-0000-20-506-L01-P) (JA0006454-0000-20-506-L01-T)	20-506	RPh, Tech	1.00	US & CAN	7/28/20	Live CE; Disease State Management/ Drug Therapy	Learn from this in-depth review and discussion of the month's leading article topics and learn how to incorporate recommendations from the issue into your daily practice. This webinar is appropriate for Pharmacists and Technicians and is accredited by ACPE. This is a subscriber-only activity. Each monthly episode of the series is archived after the live viewing and is then available on-demand.	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Pharmacy Essential Updates July 2020 (JA0006454-0000-20-507-L01-P) (JA0006454-0000-20-507-L01-T)	20-507	RPh, Tech	1.00	US & CAN	7/14/20 7/15/20 7/18/20 7/29/20	Live CE; Disease State Management/ Drug Therapy	Learn from this in-depth review and discussion of the month's leading article topics and learn how to incorporate recommendations from the issue into your daily practice. This webinar is appropriate for Pharmacists and Technicians and is accredited by ACPE. This is a subscriber-only activity. Each monthly episode of the series is archived after the live viewing and is then available on-demand.	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Emerging Recommendations Panel July 2020 (JA0006454-0000-20-587-L01-P)	20-587	RPh, Pre-scriber	1.00	US & CAN	7/21/20	Live CE; Disease State Management/ Drug Therapy	Listen in as TRC Editorial staff and our community of expert advisors discuss and debate the clinical recommendations that will be published in the next issue of the monthly Letter. This webinar is appropriate for Pharmacists, Advanced Practitioners and Physicians and is accredited by ACPE and ACCME. This is a premium, subscriber-only activity. Each monthly episode of the series is archived after the live viewing and is then available on-demand.	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE